

FDHT 1500 - Force Digital Hand Tester

Standard Features

- Compression and extension testing of force
- Tracking or peak modes (2,000 samples / sec)
- Load cell and frame deflection compensation
- Mechanical and software overload protection
- Built-in shunt calibration verification
- Digital calibration and linearization NEW!
- Backlit digital LED display of force and length
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- Push button English or metric unit selection
- Rigid two column design
- Column mounted load cell can also be mounted to base

This is the heavy-duty version of our FDHT, a tension / compression tester with no length measuring. It is equipped with a high-resolution force measuring system to display current or peak force and can be fixtured to perform a variety of force tests. Standard pull lengths of 12" can be increased with optional extended rods to up to 48" to test long parts. It has a rugged cast-aluminum and steel frame, precision rack and pinion drive with adjustments for wear and convenient hand operation to apply force and adjust length. This tester has no thru-hole feature.

FDHT 1500 - Force Specifications		
Capacity	Resolution	
	0-20% FS*	0-100% FS 20-100% FS*
2 lb	0.0001 lb	0.001 lb
907 g	0.02 g	0.2 g
8.9 N	0.0002 N	0.002 N
11 lb	0.0005 lb	0.005 lb
5 kg	0.0002 kg	0.002 kg
49 N	0.002 N	0.02 N
22 lb	0.001 lb	0.01 lb
10 kg	0.0005 kg	0.005 kg
294 N	0.01 N	0.1 N
66 lb	0.002 lb	0.02 lb
30 kg	0.001 kg	0.01 kg
294 N	0.01 N	0.1 N
110 lb	0.005 lb	0.05 lb
50 kg	0.002 kg	0.02 kg
489 N	0.02 N	0.2 N
200 lb	0.01 lb	0.1 lb
91 kg	0.005 kg	0.05 kg
890 N	0.05 N	0.5 N
750 lb	0.05 lb	0.5 lb
340 kg	0.02 kg	0.2 kg
3,336 N	0.2 N	2 N
1,500 lb	0.1 lb	1 lb
680 kg	0.05 kg	0.5 kg
6,672 N	0.5 N	5 N
Accuracy = ± Resolution *Requires 050-0000-0107-00		

FDHT 1500 - To Order	
Part Number	Description
Testers	
050-0000-0101-02	FDHT 1500 - 750 lb Capacity, Lever Operated
Tester Software	
050-1000-0010-01	Peak Mode
Accuracy Options	
050-0000-0107-00	High Resolution Force
Load Cells	
025-0000-0394-21	Load Cell - 2 lb
025-0000-0394-22	Load Cell - 11 lb
025-0000-0394-23	Load Cell - 22 lb
025-0000-0394-24	Load Cell - 66 lb
025-0000-0394-25	Load Cell - 110 lb
025-0000-0394-26	Load Cell - 200 lb
025-0000-0433-10	Load Cell - 750 lb (6" ØPlatform)
025-0000-0433-11	Load Cell - 1,500 lb (6" ØPlatform)
Factory Options	
025-0000-0434-00	Micro Length Adjust Assembly (2,000 lb Capacity)
025-0000-0659-00	Lower Mounted Load Cell Kit
018-0000-1996-03	24" Support Rods
018-0000-1996-01	36" Support Rods
018-0000-1996-02	48" Support Rods
018-0000-1996-04	60" Support Rods
018-0000-1996-05	72" Support Rods
025-0000-0446-01	Gear Rack Assembly - 18" Stroke
025-0000-0446-02	Gear Rack Assembly - 24" Stroke
025-0000-0446-05	Gear Rack Assembly - 36" Stroke
025-1000-0491-00	Rechargeable Battery, 6V Kit

FDHT 1500 - Length Specifications
None

